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ABSTRACT

Methods and systems consistent with the present invention provide dynamic security policies that change the granularity of the security at the node level, process level, or socket level. Specifically, a channel number and virtual address are associated with various processes included in a process table. Since a security policy is required for all processes, secure and insecure processes located on the same channel may communicate with one another. Moreover, processes located on different channels may communicate with one another by a gateway that connects both channels. This scalable blanketing security approach provides an institutionalized method for securing any process, node or socket by providing a unique mechanism for policy enforcement at runtime or by changing the security policies.

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